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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/328,053	06/08/1999	JAMES F. FLACK	FATHP009A	6268
22918	7590	01/25/2006	EXAMINER	
PERKINS COIE LLP P.O. BOX 2168 MENLO PARK, CA 94026			CHANG, KENT WU	
			ART UNIT	PAPER NUMBER
			2675	

DATE MAILED: 01/25/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/328,053

Applicant(s)

FLACK ET AL.

Examiner

Kent Chang

Art Unit

2675

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 08 April 2002.  
2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.  
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-99 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.  
6) ☒ Claim(s) 1-99 is/are rejected.  
7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.  
8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.  
10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)  
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_  
4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_  
5) ☐ Notice of Informal Patent Application (PTO-152)  
6) ☐ Other: \_\_\_\_\_

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 103***

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-16, 19-45, 47-50, 52-68, 71-96, and 99 are rejected under 35 U.S.C. 103(a) as being unpatentable over Fateh (US Patent No. 6,184,847, already of record).

Fateh et al teach a hand-held computer coupled to a display and having a digital processor, a motion sensor (1402) for tracking translational movements of the display (same as the hand movement in x, y, z axis as illustrated in Fig.13-16), mapping visual information generated by the computer into a virtual desktop suitable for display via the display device, displaying a certain portion of the virtual desktop via the display device, and adjusting (scrolling, panning, or magnifying) the displayed information according to the movements of the display (column 19 line 46 to column 20 line21). Furthermore, Fateh teaches a display device having a camera for capturing an image of the real scene and displaying the captured image on the display according to the coordinate input data (claim 22). Although Fateh does not clearly point out that the computer maps the entire information content to the virtual desktop, it would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the device of

Fateh to map the entire information content to the virtual desktop so as to enable the user to access the entire information content via the input system.

The device of Fateh also includes means for controlling navigation and displaying map application (Fig.13).

Fateh does not show a second computer. However, it would have been obvious to one having ordinary skill in the art at the time the invention was made to use the coordinate input data to control any computer since it merely depends on the hardware configuration of the system.

3. Claims 17, 18, 46, 51, 69, 70, 97, and 98 are rejected under 35 U.S.C. 103(a) as being unpatentable over Fateh et al (U.S. Patent No. 5,602,566) as applied to claims 1, 16, 45, 68, 96 above, and further in view of Detlef (U.S. Patent No. 6,178,403).

Motosyuku does not show handwriting recognition capability and voice recognition capability.

However, Detlef teaches a PDA having handwriting recognition capability and voice recognition capability for user entering data to the computer (column 1 lines 24-40). Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to include handwriting recognition capability and voice recognition capability as taught by Detlef in the device of Motosyuku so as to enable the user to enter data to the computer without a keyboard as suggested by Detlef.

***Response to Arguments***

4. Applicant's arguments with respect to claims 1-99 have been considered but are moot in view of the new ground(s) of rejection.

Applicant mainly argues that the prior art of record fails to teach to detect the translational movement of a display and control the displayed content based on the detected translational movement of the display. Applicant's attention is directed to Fateh, column 19 line 46 to column 20 line 21, for the teaching of tracking translational movements of the display (same as the hand movement in x, y, z axis as illustrated in Fig.13-16), mapping visual information generated by the computer into a virtual desktop suitable for display via the display device, displaying a certain portion of the virtual desktop via the display device, and adjusting (scrolling, panning, or magnifying) the displayed information according to the translational movements of the display.

The remainder of the pertinent topics for argument are present in the appropriate rejections above.

***Conclusion***

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Ball (US Patent No. 5,686,942).
6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP

Art Unit: 2675

§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

### **CONTACT INFORMATION**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kent Chang whose telephone number is 571-272-7667. The examiner can normally be reached on Monday to Thursday from 9:00 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sumati Lefkowitz, can be reached at 571-272-3638.

**Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks

Washington, D.C. 20231

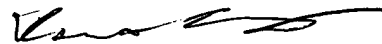
Art Unit: 2675

**or faxed to:**

**571-273-8300**

Hand-delivered responses should be brought to the Customer Service Window, now located at the Randolph Building, 401 Dulany Street, Alexandria, VA 22314.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Kent Chang  
Primary Examiner  
Art Unit 2675

kc  
1/22/06